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		OTHER DOCUMENTS (Including	Author, Title, Date, Pertinent Pages, Etc.)					
0.	A31	Brown E. M. et al., "Cloning and Characterization of an Extracellular Ca2+ -Sensing Receptor From Bovine						
BL		Parathyroid," <i>Nature 366:575</i> (1993).						
		C.J. Marcus-Sekura and M.J.M. Hitchcock, "Guide to Molecular Cloning Techniques," Methods in Enzymology,						
BC.	A32	Vol. 152 (1987).						
	<del>-</del>	Conklin, et al., "Substitution of Three Amino Acids Switches Receptor Specificity of Gqa to That of Gia,"						
BL	A33	Nature, 363:274-277 (1993)						
		Cotecchia et al., "Regions of the a1-Adrenergic Receptor Involved in Coupling to Phosphatidylinositol						
BC	A34	Hydrolysis and Enhanced Sensitivity of Biological Function," Proc. Natl. Acad. Sci., USA 87-2896-2900 (1990).						
01/		Cunningham et al., "Excitatory Amino Acid Receptors: A Gallery of New Targets for Pharmacological						
ph-	A35	Intervention," Life Sci. 54:135 (1994).						
0.4	A36	Current Protocols in Molecular Biology, Frederick et al., John Wiley & Sons, Inc. (1995)						
BC								
	A37	Duvoisin et al., "A Novel Metabotropic Glutamate Receptor Expressed in the Retina and Olfactory Bulb,"						
BL		J. Neurosci. 15:3075-3083 (1995).						
,		Lindauer et al., "Molecular Coning, Functional Expression and Pharmacological Characterization of the Human						
	A38	Metabotropic Glutamate Receptor Type Two," Eur. J. Neuroscience 7:622-629 (1995).						
		Garrett J.E., et al., "Molecular Cloning and Functional Expression of Human Parathyroid Calcium Receptor						
	A39	cDNAs," J. Biol. Chem. 31:12919-12925 (1995).						
		Hille, B., lonic Channels of Excitable Men	Channels of Excitable Membranes, pp.30-34, Sinnauer Associates, Inc. , Sunderland MA					
	A40 (1992).							
		Jones et al., "GABAβ Receptors Function	as a Heteromeric Assembly of the Su	bunits GABAβR1 and				
	A41	GABA <sub>β</sub> R2," <i>Nature</i> 396-674-679 (1998).						
		Kaupmann et al., "Expression Cloning of GAGAB Receptors Uncovers Similarity to Metabotropic Glutamate						
	A42	Receptors," Nature, 386:239-246 (1997).						
	A43	Kerr and Ong, "GABAβ Receptors: Targets for Drug Development," Drug Discovery Today, 1:371-380 (1996).						
		,						
EXAMINER	·	. 14-1-6	DATE CONSIDERED					
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AL	A44	Knopfel at al"Metabotropic Glutamate Receptors: Novel Targets for Drug Development," J. Med.					
rv -	A44	Chem. 38:1417 (1995).					
1		Kobilka et al., "Chimeric α2-β2-Adrenergic Receptors: Delineation of Domains Involved in Effector Coupling					
	A45	And Ligand Binding Specificity," Science 240:1310-1316 (1988).					
		Lechleiter, "Distinct Sequence Elements Control the Specificity of G Protein Activation by Musca					
	A46	Acetylcholine Receptor Subtypes," EMBO J. 9:4381-4390 (1990).					
	A47	Nakanishi, "Metabotropic Glutamate Receptors: Synaptic Transmission, Modulation, and Plasticity," Ne					
1		13:1031 (1994).					
		Nemeth, "Ca <sup>2+</sup> Receptor-Dependent Regulation of Cellular Functions," NIPS 10:1-5 (1995)					
	A48						
		Pin et al., "Domains Involved in the specificity of G Protein Activation in Phospholipasse C-coupled					
1	A49	Metabotropic Glutamate Receptors," EMBO J. 13:342-348 (1994).					
		Pin and Duvoisin, "Review: Neurotransmitter Receptors I. The Metabotropic Glutamate Receptors: Structu					
1	A50	and Functions," Neuropharmacology, 34:1 (1995)					
	A51	Remington's Pharmaceutical Sciences, 18th ed., Mack Publishing Co., Easton PA (1990).					
		Riccardi D., et al., "Cloning and Functional Expression of a Rat Kidney Extracellular Calcium/Polyvalent					
}	A52	Cation-sensing Receptor," Proc. Nat'l Acad. Sci. USA 92:131-135 (1995).					
		Sambrook et al., <i>Molecular Cloning</i> , Cold Spring Harbor Laboratory Press, (1989) Chapter 15.					
	A53	Cambrook et al., morecular croming, ceta epinig harber Euseratory i rece; (1999) enaper rec					
		Schoepp et al., "Pharmacological and Functional Characteriestics of Metabotropic Excitatory amino Acid					
	A54	Receptors," Trends Pharmacol. Sci. 11:508 (1990).					
		Schoepp and Conn, "Metabotropic Glutamate Receptors in Brain Function and Pathology," Trends Pharmace					
	A55	Sci. 14:13 (1993).					
-		Schoepp, "Novel Functions for Subtypes of Metabotropic Glutamate Receptors," Neurochem, Int. 24:439					
- 1	A56	(1994).					

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.

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01		Wise and Milligan, "Rescue of Functional Interactions Between the a2a-Adrenoreceptors and Acylation-					
192	A57	Resistant Forms of Gi1a by Expressing the Proteins" J. Biological Chemistry 39:24673-24678 (1997).					
	4.50	Wess et al., "Identification of a Small Intracellular Region of the Muscarinic m3 Receptor as a Determinant of					
	A58	Selective Coupling to PI Turnover," FEBS Lett. 258:133-136 (1989).					
V	A59	Wess et al., "Delineation of Muscarinic Re	eceptor Domains Conferring Selectivity	of Coupling to Guanine			
		Nucleotide-Binding Proteins and Second	Messengers," Mol. Pharmacol. 38:517	-523 (1990).			
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	A2	5,030,576	07/09/91		et al.	435	69.7		
	A3	5,385,831	01/31/95	Mulv	vihill et al.	435	69.1		_
	A4	5,688,938	11/18/97	Brov	vn et al.	536	23.5		
	A5	5,831,047	11/03/98	Seg	erson et al.	536	23.1		
	<b>A</b> 6	5,981,195	11/09/99	Fulle	er et al.	435	7.1		
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	A12	97/37967	16.10.97	WO	PCT (Van Wagenen)				
V	A13	92/10583	25.06.92	WO/PCT (Mulvihill et al.)					
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
					arch Tool," J. <i>Mol. Biol</i> 21		990).		
BL	A26	7,11001101 01 01., 200				· ·			
		Portin at al. "Callul	or Signaling by ar	- Δαc	nist Activated Recentor/	Gea Fusion P	rotein." Proc	Acad Sci	USA
!	A27	Bertin et al., "Cellular Signaling by an Agonist-Activated Receptor/Gsα Fusion Protein," <i>Proc Acad. Sci. USA</i>							
		91:8827-831 (1994).  Bertin et al., "Activation of a β2-Adrenergic Receptor/Gsα Fusion Protein Elicits a Desensitization-Resistant							
	A28								
		cAMP Signal Capable of Inhibiting Proliferation of Two Cancer" Receptors and Channels 5:41-51 (1997).  Bittiger et al., "GABAß Receptor Anatagonists: From Synthesis to Therapeutic Applications," TIPS 14:391-394							
	A29								
		(1993).  Review "CARAs Recenter Pharmacology" Annu. Rev. Pharmacol. Toxicol. 33:109-147 (1993)							
	A30	Bowery, "GABAβ Receptor Pharmacology," Annu. Rev. Pharmacol. Toxicol. 33:109-147 (1993).							
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